CMT PDA GPS

PDA with Field CE GIS & PC-GIS PRO Package: $1885

PDA with high-performance GPS in waterproof case

Microsoft® Windows Mobile™ 5.0 (Pocket PC)
Built-in GPS and built-in GPS Antenna:
- ▸ **Good performance under tree canopy**
- ▸ **Typical accuracy: 1 to 5 m (real-time)**

Automated Software Installation
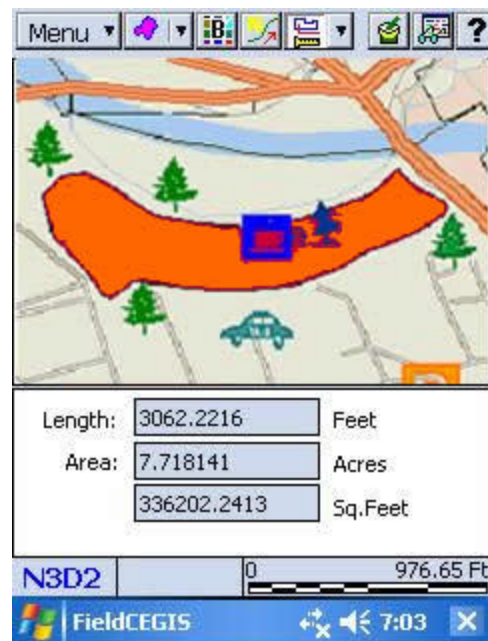**Data Integrity** and **Validation Integrity**

Actual example from Horton Tree Farm in Oregon (900,000 board feet)
- ▸ Mature and high density Douglas Fir trees on 40 acres
- ▸ Wet ground and wet trees in December 2006
- ▸ Most GPS would fail under such heavy canopy
- ▸ **Built-in GPS still performed well**
  - • Area measurement error approximately 0.5%
  - • **Consistent tracking** even under heavy canopy
  - • PDA survived harsh conditions

Optional software installation available: CE Surveyor III or **CE Timber Cruise**

Field CE GIS Highlights

- ▸ Digital Elevation Model (DEM)
- ▸ Show contour lines on your BaseMap
- ▸ Load imagery: MRSID®, PIM
- ▸ **Raster** & **Vector** data formats supported
- ▸ Thousands of patterns and symbols
- ▸ Adjust **Transparency** of Area Features
- ▸ Free-hand **digitizing** capability
- ▸ **Length**, **Distance** and **Area** measurements
- ▸ Navigation and Auto-routing with **Voice Directions**
- ▸ **Snap to Node** function
- ▸ **Intelligent GPS port** recognition
- ▸ Data Logging: **By Time**, **By Distance**
- ▸ **Offset** points or **Traverse** points
- ▸ Nested Points function
- ▸ NMEA-183 GPS data support
- ▸ LLA UTM, SPC, NEZ and **User-Defined** Coordinate Systems supported

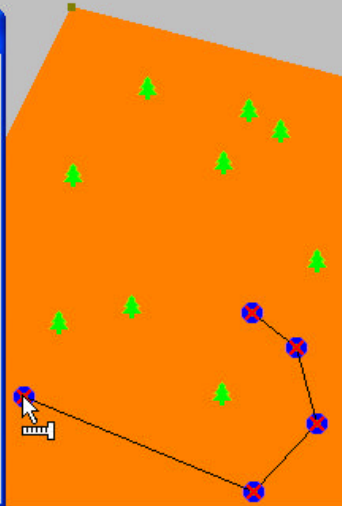

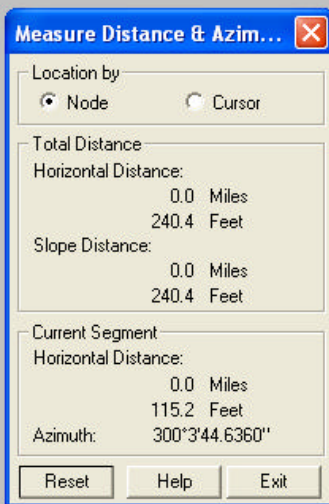**Heads-up digitize** Points, Lines, Areas

PC-GIS Pro is popular for Forestry applications.
It is great for City, Utility, Farm, and Natural Resources GIS.

HIGHLIGHTS

‣ **BaseMaps** with contour lines
‣ GIS functions: Split, Join & more
‣ **Buffering** for points, lines & areas
‣ Image support for:
  ▪ MRSID® format
  ▪ **JPEG2000**
  ▪ **GeoJPEG**
  ▪ Geotiff
  Heads-up digitizing
‣ **Forester's Toolkit** included
‣ Huge symbol/pattern library
‣ GPS Navigation
‣ **Interactive spreadsheet**
‣ Easy to Learn & Friendly to Use

Forester's Toolkit Built-in!

Heads-Up Digitize tracts and **stands** from **georeferenced** aerial photo. Share borders to **eliminate gaps** and overlaps.

Split Tract/Stands into smaller areas along borders or other boundaries.

Combine Tracts/Stands and **join** along common boundaries to form larger areas.

Create "Islands" within a tract or stand. The "island" area is subtracted from the tract or stand to show **net acreage**.

Register Photos using **GPS points** or topo maps. View your photo and topo map side-by-side for **georeferencing**.

Add Roads, Streams, and other Point, Line and Area Features. Digitize the feature and assign a symbol with a click of the mouse.

Measure Distance & Azim...

Location by:
◉ Node   ○ Cursor

Total Distance
Horizontal Distance:
  0.0 Miles
  240.4 Feet
Slope Distance:
  0.0 Miles
  240.4 Feet

Current Segment
Horizontal Distance:
  0.0 Miles
  115.2 Feet
Azimuth: 300°3'44.6360"

[Reset] [Help] [Exit]

PC-GIS PRO Software Functions:

‣ Import/Export data:
  ASCII
  Shapefiles
  DXF files
‣ **GPS:**
  Navigation
  Routing
‣ **Heads-up digitizing**
‣ **Forester's Toolkit**

‣ Create:
  Cruising Grids
  Sampling Plots
  Buffers
‣ Topic:
  Classification
  Automatic Labeling
‣ Contours
‣ 3-D shaded relief map

‣ Customizable **Plot Preview**
‣ Link media to features
‣ Join/Disconnect features
‣ Sort features in table
‣ **Geo-reference** and Load photo/images
‣ Export to MS Excel® format
‣ Feature List builder for **Field CE GIS**
‣ CE BaseMap conversion
‣ CE image conversion

For more information, please visit cmtinc.com